

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings of claims in the application:

**Listing of Claims:**

Claims 1-13 (cancelled)

Claim 14. (new) A recombinant antibody against human-TNF $\alpha$  comprising an H chain polypeptide, or its fragment, which has at least one of the following amino acid sequences:

- a) the amino acid sequence represented by SEQ ID NO:1 as CDR-H1;
- b) the amino acid sequence represented by SEQ ID NO:2 as CDR-H2; and
- c) the amino acid sequence represented by SEQ ID NO:3 as CDR-H3;

and an L chain polypeptide, or its fragment, which has at least one of the following amino acid sequences:

- d) the amino acid sequence represented by SEQ ID NO:4 as CDR-L1;
- e) the amino acid sequence represented by SEQ ID NO:5 as CDR-L2; and
- f) the amino acid sequence represented by SEQ ID NO:6 as CDR-L3.

Claim 15. (new) A recombinant antibody against human TNF $\alpha$  as claimed in claim 14, which contains the H chain variable region of an antibody against human TNF $\alpha$  comprising the amino acid sequence represented by SEQ ID NO:7 or an amino acid sequence derived from said amino acid sequence by deletion, addition or substitution of one to several amino acids in a region other than the amino acid sequences represented by SEQ ID NOS:1 to 3, or its fragment.

Claim 16. (new) A recombinant antibody against human TNF $\alpha$  as claimed in claim 14, which contains the L chain variable region of an antibody against human TNF $\alpha$  comprising the amino acid sequence represented by SEQ ID NO:8 or an amino acid sequence derived from said amino acid sequence by deletion, addition or substitution of one to several amino acids in a region other than the amino acid sequences represented by SEQ ID NOS:4 to 6, or its fragment.

Claim 17. (new) A pharmaceutical composition comprising the antibody as claimed in claim 14 or its fragment together with a pharmaceutically acceptable carrier.

Claim 18. (new) A method for producing a recombinant antibody against human TNF $\alpha$  which comprises transforming host cells by an expression vector, wherein the expression vector comprises:

a gene encoding an H chain polypeptide, or its fragment, which has at least one of the following amino acid sequences:

- a) the amino acid sequence represented by SEQ ID NO:1 as CDR-H1;
- b) the amino acid sequence represented by SEQ ID NO:2 as CDR-H2; and
- c) the amino acid sequence represented by SEQ ID NO:3 as CDR-H3; and

a gene encoding an L chain polypeptide, or its fragment, which has at least one of the following amino acid sequences:

- d) the amino acid sequence represented by SEQ ID NO:4 as CDR-L1;
- e) the amino acid sequence represented by SEQ ID NO:5 as CDR-L2; and
- f) the amino acid sequence represented by SEQ ID NO:6 as CDR-L3,

culturing the host cells under such conditions as allow expression of the antibody against human TNF $\alpha$ , and collecting the antibody thus produced by the host cells.

Claim 19. (new) A gene encoding an H chain polypeptide, or its fragment, which has at least one of the following amino acid sequences:

- a) the amino acid sequence represented by SEQ ID NO:1 as CDR-H1;
- b) the amino acid sequence represented by SEQ ID NO:2 as CDR-H2; and
- c) the amino acid sequence represented by SEQ ID NO:3 as CDR-H3.

Claim 20. (new) A gene encoding an L chain polypeptide, or its fragment, which has at least one of the following amino acid sequences:

- e) the amino acid sequence represented by SEQ ID NO:4 as CDR-L1;
- f) the amino acid sequence represented by SEQ ID NO:5 as CDR-L2; and
- g) the amino acid sequence represented by SEQ ID NO:6 as CDR-L3.

Claim 21. (new) An expression vector having the gene as claimed in claim 26 incorporated therein.

Claim 22. (new) An expression vector having the gene as claimed in claim 27 incorporated therein.

Claim 23. (new) An expression vector having the following genes incorporated therein:

1) a gene encoding an H chain polypeptide, or its fragment, which has at least one of the following amino acid sequences:

- a) the amino acid sequence represented by SEQ ID NO:1 as CDR-H1;
- b) the amino acid sequence represented by SEQ ID NO:2 as CDR-H2; and
- c) the amino acid sequence represented by SEQ ID NO:3 as CDR-H3;

and

2) a gene encoding an L chain polypeptide, or its fragment, which has at least one of the following amino acid sequences:

- e) the amino acid sequence represented by SEQ ID NO:4 as CDR-L1;
- f) the amino acid sequence represented by SEQ ID NO:5 as CDR-L2; and
- g) the amino acid sequence represented by SEQ ID NO:6 as CDR-L3.